

Table A-32. Mean[†] yield and agronomic traits of eight Maturity Group V (5.0 - 5.9) soybean varieties evaluated in small plot replicated trials at the West Tennessee AgResearch and Education Center in Jackson, Tennessee during 2024.

| Variety | Herbicide Pkg [†] | Avg. Yield [§] (bu/ac) | Moisture at Harvest (%) | Maturity (DAP) | Plant Height (in.) | Lodging ^{††} (1-5) |
|-----------------------|----------------------------|---------------------------------|-------------------------|----------------|--------------------|-----------------------------|
| Pioneer P53Z60LX | RR2X/LL | 57 A | 12.8 B-D | 139 A | 41 C | 1.0 |
| Pioneer P50Z95E | E3 | 55 A | 12.0 D | 135 AB | 39 C | 1.0 |
| USG 7543XF | XF | 52 A | 16.4 A | 132 B | 43 BC | 1.0 |
| MO S20-13179LL55 | LL | 47 A | 12.3 CD | 137 AB | 44 BC | 1.0 |
| USG 7534GT | GT | 46 A | 14.0 BC | 134 AB | 46 AB | 1.0 |
| MO S20-1492 | Conv | 45 A | 12.2 D | 135 AB | 40 C | 1.0 |
| Progeny 5056XFS | XFS | 45 A | 14.4 B | 135 AB | 50 A | 1.0 |
| MO S20-4428 | Conv | 45 A | 12.5 CD | 137 AB | 41 BC | 1.0 |
| Average | | 49 | 13.3 | 135 | 43 | 1.0 |
| Standard Error | | 5 | 0.6 | 2 | 3 | - |
| L.S.D. _{.05} | | N.S. | 1.7 | N.S. | 5 | - |
| C.V. | | 14 | 7 | 3 | 7 | - |

† Varieties that have any MS letter in common are not significantly different at the 5% level of probability.

- Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

- C.V. is only reported for variables evaluated on a ratio scale.

- L.S.D. values are given for ANOVA that were significant at P<0.05. Variables in which minimal variation was observed were not subjected to ANOVA and are reported as N.S.

‡ For a full description of abbreviated biotech traits, see table 23.

* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.

§ All yields are adjusted to 13% moisture.

†† Lodging was evaluated on a scale of 1 (no lodging) to 5 (complete lodging).